

**Amendments to the Specification:**

Please add the following new paragraph at page 1, between the title and the first line of text as follows:

**CROSS REFERENCE TO RELATED APPLICATION**

The present application is the U.S. national stage application of International Application PCT/NO03/00116, filed April 10, 2003, which international application was published on October 23, 2002 as International Publication WO 03/087754. The International Application claims priority of Norwegian Patent Application 20021726, filed April 12, 2002.

**BACKGROUND OF THE INVENTION**

Before the paragraph beginning at page 2, between lines 3 and 4 insert the following:

**SUMMARY OF THE INVENTION**

Before the paragraph beginning at page 6, between lines 11 and 12 insert the following:

**BRIEF DESCRIPTION OF THE DRAWINGS**

Before the paragraph beginning at page 6, between lines 19 and 20 insert the following:

**DETAILED DESCRIPTION OF THE INVENTION**

**Amendments to the Abstract:**

Please replace the Abstract on the title page of the PCT application with the following Abstract. A clean copy of the Abstract identified as page 14 is attached for scanning purposes by the USPTO. No new matter has been added.

A method of and device for detecting a leak in reciprocating machinery (1), comprising at least two pistons (2, 2'), by the volume flow at least out of the reciprocating machinery (1) being monitored and analysed, e.g. by means of Fourier analysis, in order to make it possible to detect a flow component, where the flow component has a frequency that differs from the fundamental frequency of the reciprocating machinery, the fundamental frequency of the reciprocating machinery being constituted by the rotational frequency of the reciprocating machinery multiplied by the number of pistons (2, 2') in the reciprocating machinery.